



MISSION COVERAGE STATISTICS

KH-4 MISSION 1052-1

23-29 SEPTEMBER 1969

OCTOBER 1969  
COPY 200  
14 PAGES

25X1

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Declass Review by NIMA / DoD

GROUP 1: EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION



INTRODUCTION

This publication provides preliminary coverage data, Greenwich Mean Time of passes, correlation of photographic coverage with WAC chart areas, coverage plots, and preliminary data for Mission 1052-1, data 22 September 1969.

Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame numbers outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

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## PRELIMINARY MISSION DATA

Mission Number: 1052-1

Launch Date/Time (GMT): 22 September 1969/2111

Photo Dates (GMT): 23,24,25,26,27,28,29 September 1969

Recovery Date/Time (GMT): 29 September 1969/2358

Operational Passes: 35

Operational Altitude Limits: 98-108 Nautical Miles

Photo Scale Range: 1:297,920 - 1:328,320

Operational Ground Coverage (Fwd and Aft):

- a. Linear Nautical Miles 56,230
- b. Square Nautical Miles 7,872,200

Frames:

- a. Operational

Fwd-Looking 2,799  
Aft-Looking 2,824

- b. Index 490

- c. Stellar 980

Operational Imagery Footage (Fwd and Aft): 13,928

Anomalies: No major malfunctions occurred during this mission.

Vehicle Attitude: Normal throughout the mission

Image Quality:

- a. Main Camera: The image quality of the aft looking camera record is comparable to an average KH-4A mission. The imagery provided by the fwd looking camera is of slightly poorer quality due to an intermittent and random focus problem.
- b. Index Camera: The camera operated satisfactorily throughout the mission and provides imagery comparable to past missions of this system.
- c. Stellar Camera: The camera was operational throughout the mission and provides stellar images suitable for attitude determination.

Cloud Free Coverage: Approximately 75 percent of the entire mission is cloud free.

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## GREENWICH MEAN TIME

These times are derived from preliminary data and cannot be verified at this time. They are carried to the nearest whole minute:

## MISSION 1052-1

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
5D (Part 1)	23 September 1969	04	34	04	35
5D (Part 2)	23 September 1969	04	36	04	38
6D	23 September 1969	06	10	06	11
7D	23 September 1969	07	26	07	28
8D	23 September 1969	09	00	09	01
9D	23 September 1969	10	34	10	35
10D (Part 1)	23 September 1969	11	58	12	00
10D (Part 2)	23 September 1969	12	04	12	06
10D (Part 3)	23 September 1969	12	14	12	15
21D	24 September 1969	04	14	04	16
22D	24 September 1969	05	50	05	52
23D (Part 1)	24 September 1969	07	11	07	12
23D (Part 2)	24 September 1969	07	14	07	15
24D (Part 1)	24 September 1969	08	40	08	42
24D (Part 2)	24 September 1969	08	43	08	43
24D (Part 3)	24 September 1969	08	45	08	46
25D	24 September 1969	10	09	10	11
26D	24 September 1969	11	39	11	40
27D	24 September 1969	13	14	13	15
29D	24 September 1969	16	21	16	22
37D	25 September 1969	03	56	03	58
38D (Part 1)	25 September 1969	05	20	05	22
38D (Part 2)	25 September 1969	05	31	05	33
39D (Part 1)	25 September 1969	06	52	06	53
39D (Part 2)	25 September 1969	06	56	06	57
40D	25 September 1969	08	20	08	23
42D	25 September 1969	11	19	11	22
54D	26 September 1969	05	11	05	13
55D (Part 1)	26 September 1969	06	31	06	33
55D (Part 2)	26 September 1969	06	36	06	37
56D	26 September 1969	07	59	08	04
58D	26 September 1969	10	59	11	03
69D	27 September 1969	03	18	03	19
72D (Part 1)	27 September 1969	07	41	07	46
72D (Part 2)	27 September 1969	07	47	07	48
73D (Part 1)	27 September 1969	09	09	09	12
73D (Part 2)	27 September 1969	09	17	09	20
74D	27 September 1969	10	41	10	45
85D	28 September 1969	02	58	03	00
86D (Part 1)	28 September 1969	04	27	04	28
86D (Part 2)	28 September 1969	04	29	04	30

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PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
88D (Part 1)	28 September 1969	07	21	07	22
88D (Part 2)	28 September 1969	07	24	07	29
89D (Part 1)	28 September 1969	08	49	08	52
89D (Part 2)	28 September 1969	08	56	08	58
90D (Part 1)	28 September 1969	10	22	10	24
90D (Part 2)	28 September 1969	10	28	10	30
102D	29 September 1969	04	08	04	11
103D (Part 1)	29 September 1969	05	40	05	41
103D (Part 2)	29 September 1969	05	44	05	45
104D	29 September 1969	07	02	07	12

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EURASIA



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MEMORANDUM FOR: Recipients of [REDACTED]

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SUBJECT: Mission Coverage Statistics  
Mission 1052-1  
Dated October 1969

Please substitute the attached page 13 for the original page 13 disseminated with the referenced report. The new page corrects a 30-degree longitudinal error caused by inadvertent misregistration.

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SOUTH AMERICA

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